





DISCOVERY MSG
Source MAC Address/TEI (6 bytes)
Device Class (1 byte)
Activity Indicator (Optional) (1 byte)
Number of Contention Intervals (CI) (1 byte)
Frame Number of CI -1 (1 byte)
Slot Number of CI-1 (1 byte)
•
•
Frame Number of CI-N (1 bytes)
Slot Number of CI-N (1byte)

Fig. 5

DISCOVERY MSG
Source MAC Address/TEI (6 bytes)
Device Class (1 byte)

Fig. 6

CCo-DISC NODE LIST MSG
Source MAC Address/TEI (6 bytes)
Device Class Present Field (1 byte)
Number of Nodes Discovered (1 byte)
MAC Address of Discovered Node #1 (6 bytes)
Device Class of Node #1 (1 byte)
•
•
MAC Address of Discovered Node #N (6 bytes)
Device Class of Node # N

Fig. 7

CCo_NETCONFIG_MSG
Source MAC Address of CCo (6 bytes)
Device Class of New CCo (1 byte)
Number of Proxy Nodes (1 byte)
MAC Address of Proxy Node #1
Number of Hidden Nodes(N) (1 byte)
MAC Address of Hidden Node #1
•
•
MAC Address of Hidden Node #N
MAC Address of Proxy Node #2
Number of Hidden Nodes(N) (1 byte)
MAC Address of Hidden Node #1
•
•
MAC Address of Hidden Node #N
•
•
MAC Address of Proxy Node #N
•
•

Fig. 8

CCo_NETCONFIGMSG_SHORT
CCo Source MAC Address (6 bytes)
CCo Device Class (1 byte)

Fig. 9

Topology Table for CCo (Node A)						
NODES	Device Class (optional)	DISCOVERED NODE LISTS ->				
A		A	B	C		
B		A	B	C (X)		
C		A	B	C	D	E
Hidden Nodes (associated nodes)	Device Class (optional)					
D				C	D	E
E				C	D	E

Fig. 10

Order	Criteria	Note
1	Device Class/ Device Capability	Dev Can be CCo or Not
2	Number of Discovered nodes in DISCOVERED_NODE_LIST	Higher is preferred
3	Capacity or MAX PHY Transmission Speed	Higher is preferred
4	Duty Cycle (Fraction of time device is busy)	Lower is preferred
5	Other (vendor defined)	

Fig. 11